



OIPe

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/038,895A

DATE: 04/03/2003

TIME: 13:06:46

Input Set : E:\3379.1.ST25.txt

Output Set: N:\CRF4\04032003\J038895A.raw

3 <110> APPLICANT: Kulp, David C.
 4 Siani-Puse, Michael A.
 5 Williams, Alan J.
 6 Harmon, Cyrus L.
 7 <120> TITLE OF INVENTION: Nucleic Acids Encoding G Proteins Coupled Receptors
 18 <130> FILE REFERENCE: 13711
 1 <140> CURRENT APPLICATION NUMBER: 10/038,895A
 C--> 13 <141> CURRENT FILING DATE: 2003-03-25
 1 <150> PRIOR APPLICATION NUMBER: US 60/244,082
 10 <151> EF OF FILING DATE: 2000-10-26
 1 <160> NUMBER OF SEQ ID NOS: 29
 26 <170> SOFTWARE: PatentIn version 3.2
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 274
 24 <212> TYPE: PRT
 25 <213> ORGANISM: Artificial Sequence
 27 <214> FEATURE:
 28 <215> OTHER INFORMATION: Synthetic Organism
 29 <214> FEATURE:
 30 <215> NAME/KEY: misc_feature
 31 <215> LOCATION: (136)..(136)
 32 <215> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
 33 <214> FEATURE:
 34 <215> NAME/KEY: misc_feature
 35 <215> LOCATION: (146)..(146)
 36 <215> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
 41 <400> SEQUENCE: 1
 42 Leu Leu Ala Pro Thr Gly Ser Leu Phe Arg Asn Cys Thr Gln Asp Gly
 43 1 5 10 15
 44 Trp Ser Glu Thr Phe Pro Arg Pro Asn Leu Ala Cys Gly Val Asn Val
 45 20 25 30
 46 Asn Asp Ser Ser Asn Glu Lys Arg Ser Tyr Leu Leu Lys Leu Lys Val
 47 35 40 45
 48 Met Tyr Thr Val Gly Tyr Ser Ser Leu Val Met Leu Leu Val Ala
 49 50 55 60
 50 Leu Gly Ile Leu Cys Ala Phe Arg Arg Leu His Cys Thr Arg Asn Tyr
 51 55 60 65
 52 Ile His Met His Leu Phe Val Ser Phe Ile Leu Arg Ala Leu Ser Asn
 53 65 70 75 80
 54 Ile His Met His Leu Phe Val Ser Phe Ile Leu Arg Ala Leu Ser Asn
 55 85 90 95
 56 Phe Ile Lys Asp Ala Val Leu Phe Ser Ser Asp Asp Val Thr Tyr Cys
 57 100 105 110
 58 110 115 120 125
 Wc> 71 Asp Ala His Arg Gly Cys Lys Leu Val Met Val Leu Phe Xaa Tyr Cys
 72 115 120 125

ENTERED

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75	Ile	M-t	Ala	Asn	Tyr	Ser	Trp	Leu	Leu	Val	Glu	Gly	Ser	Thr	Phe	Thr	
76		1-9						135						140			
77	His	K-a	Leu	Ala	Ile	Ser	Phe	Phe	Ser	Glu	Arg	Lys	Tyr	Leu	Gln	Gly	
78	141							150			155				160		
81	Phe	Val	Ala	Phe	Gly	Trp	Gly	Ser	Pro	Ala	Ile	Phe	Val	Ala	Leu	Trp	
84								165			170				175		
87	Ala	Ile	Ala	Arg	His	Phe	Leu	Glu	Asp	Val	Gly	Cys	Trp	Asp	Ile	Asn	
88								180			185				190		
91	Ala	Asn	Ala	Ser	Ile	Trp	Trp	Ile	Ile	Arg	Gly	Pro	Val	Ile	Leu	Ser	
92								195			200				205		
93	Ile	Ile	Asn	Phe	Ile	Leu	Phe	Ile	Asn	Ile	Leu	Arg	Ile	Leu	Met	Arg	
96								210			215				220		
97	Lys	Ile	Arg	Thr	Gln	Gly	Thr	Arg	Gly	Asn	Glu	Val	Ser	His	Tyr	Lys	
100	1-5							230				235				240	
101	Arg	Leu	Ala	Arg	Ser	Thr	Leu	Leu	Leu	Ile	Pro	Leu	Phe	Gly	Ile	His	
104								245			250				255		
107	Tyr	Ile	Val	Phe	Ala	Phe	Ser	Pro	Glu	Asp	Ala	Met	Glu	Ile	Gln	Leu	
108								260			265				270		

III. Pre-Pre

115-4110 SEQ 15 NO:

116.0.11 : LENGTH: 3

11/11/12 TYPE: SMA

128 · 113 · DEUTANISM

1.0.0-120 - FEATURE: [View Details](#) [Download](#) [Report](#)

1.1 12234 OTHER INFO

1400 1411 : LEUETAL: 347

1400-1410 BREVITY: 4

144. *THE TYPE: 5001*
145. *ORGANISM: Artificial Sequence*

14. *W. J. GRANVILLE*

144 11.00 12.00

14.10.0: FEATURE:

144-1111 NAME/KEY: misc feature

14. **NAME/ID#:** HSBC_FEDERAL

15.1.1.3. OTHER INFORMATION

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154 tactgcatca tggccaaacta ctcctggctg ctgggtggaaag gctctacacctt cacacatntc 60
155 c:cgccatctt ctttcttc tctc tgaaagaaag tacctccagg gatttgtggc attcgqatgg 120
156 gatcttccagg ccatttttgtt tgctttgtgg gctattgcca gacactttctt ggaagatgtt 180
157 gatgttgtggg acatcaatgc caacgcatttcc atctgggtggaa tcattcgatgg tccctgtgtc 240
158 ct:ctccatcc tgatataattt catccttttc ataaacatcc taqaatcct qatqaaaaaa 300

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253 Leu Ala His Leu Leu Phe Leu Thr Gly Ile Asn Arg Thr Glu Pro Glu
 254 115 120 125
 257 Leu Cys Ser Ile Ile Ala Gly Leu Leu His Phe Leu Tyr Leu Ala Cys
 258 130 131 140
 261 Phe Thr Trp Met Leu Leu Gln Gly Leu His Leu Phe Leu Thr Val Arg
 262 145 150 155 160
 265 Asn Leu Lys Val Ala Asn Tyr Thr Ser Thr Gly Arg Phe Lys Lys Arg
 266 165 170 175
 269 Phe Met Tyr Pro Val Gly Tyr Gly Ile Pro Ala Val Ile Ile Ala Val
 270 180 185 190
 273 Ser Ala Ile Val Gly Pro Gln Asn Tyr Gly Thr Phe Thr His Cys Trp
 274 195 200 205
 277 Leu Lys Leu Asp Lys Gly Phe Ile Trp Ser Phe Met Gly Pro Val Ala
 278 210 215 220
 281 Val Ile Ile Ile Ile Asn Leu Val Phe Tyr Phe Gln Val Leu Trp Ile Leu
 282 230 235 240
 284 Arg Ser Lys Leu Ser Ser Leu Asn Lys Glu Val Ser Thr Ile Gln Asp
 285 245 250 255
 287 Thr Arg Val Met Thr Phe Lys Ala Ile Ser Gln Leu Phe Ile Leu Gly
 288 260 265 270
 292 Cys Ser Trp Gly Leu Gly Phe Phe Met Val Glu Val Gly Lys Thr
 294 275 280 285
 297 Ile Gly Ser Ile Ile Ala Tyr Ser Phe Thr Ile Ile Asn Thr Leu Gln
 298 290 295 300
 301 Gly Val Leu Ile Phe Val Val His Cys Leu Leu Asn Arg Gln Val Arg
 302 305 310 315 320
 303 310 - SEQ ID NO: 6
 304 311 - LENGTH: 969
 305 312 - TYPE: DNA
 306 313 - ORGANISM: Artificial Sequence
 307 314 - FEATURE:
 311 315 - OTHER INFORMATION: Synthetic Organism
 311 316 - SEQUENCE: 6
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/038,895A

DATE: 04/03/2008

TIME: 12:06:46

Input Set : E:\3379.1.ST25.txt

Output Set: N:\CRF4\04032003\J038895A.raw

246 caggtaagg
 34 <410> SEQ ID NO: 7
 35 <411> LENGTH: 217
 36 <412> TYPE: PRM
 37 <413> ORGANISM: Artificial Sequence
 38 <414> FEATURE:
 39 <415> OTHER INFORMATION: Synthetic Organism
 37 <4500> SEQUENCE: 7
 381 Gln His Ser Asp Ala Val His Asp Leu Leu Leu Asp Val Ile Thr Trp
 382 1 5 19 15
 383 Val Gly Ile Leu Leu Ser Leu Val Cys Leu Leu Ile Cys Ile Phe Thr
 384 20 25 30
 385 Phe Cys Phe Phe Arg Gly Leu Gln Ser Asp Arg Asn Thr Ile His Lys
 386 35 40 45
 387 Asn Ile Cys Ile Ser Leu Phe Val Ala Glu Leu Leu Phe Leu Ile Gly
 388 40 55 60
 389 Ile Asn Arg Thr Asp Glu Pro Ala Cys Ala Val Phe Ala Ala Leu Leu
 390 55 70 75 80
 391 His Phe Phe Phe Leu Ala Ala Phe Thr Trp Met Phe Leu Glu Gly Val
 392 65 85 90 95
 393 Gln Ile Tyr Ile Met Leu Val Glu Val Phe Glu Ser Glu His Ser Arg
 394 100 105 110
 395 Arg Lys Tyr Phe Tyr Ile Val Gly Tyr Gly Met Pro Ala Leu Ile Val
 396 115 120 125
 397 Ala Val Ser Ala Ala Val Asp Tyr Arg Ser Tyr Gly Thr Asp Lys Val
 398 130 135 140
 399 Cys Trp Leu Arg Leu Asp Thr Tyr Phe Ile Trp Ser Phe Ile Gly Pro
 400 140 150 155 160
 401 Ala Thr Leu Ile Ile Met Asn Val Ile Phe Leu Gly Ile Ala Leu Tyr
 402 165 170 175
 403 Lys Met Phe His His Thr Ala Ile Leu Lys Pro Glu Ser Gly Cys Leu
 404 180 185 190
 405 Asp Asn Ile Lys Leu Lys Ile Asn Ile Pro Ile Ile Lys Ser Ile Tyr
 406 195 200 205
 411 Ile Tyr Met Tyr Ile Cys Met Cys Val
 412 210 215
 413 <410> SEQ ID NO: 8
 414 <411> LENGTH: 657
 415 <412> TYPE: DNA
 416 <413> ORGANISM: Artificial Sequence
 417 <414> FEATURE:
 418 <415> OTHER INFORMATION: Synthetic Organism
 419 <4500> SEQUENCE: 8
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 421 ctgtcccttg tttgtctctt gatttgcata ttccacatttt gcttttccg ggggctccag
 422 aatgtacccgtta acaccatccca caagaacatc tgcatacgatc tttttgtacg agagctgtct
 423 ttccctgattq ggtatcaaccj aacttgaccaa ccaatgtccgt gtgtctttt cgttgtccctg
 424 tttacatttct ttttcttggc tggcttcacc tggatgttcc tggagggggtt gcaagtttat
 425 aatcatgttccg tggggatttt taaatgttca cattcacgtt qaaaataactt ttatctggtc
 426 60
 427 120
 428 180
 429 240
 430 300
 431 360

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/038,895A

DATE: 04/03/2003
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Input Set : E:\3379.1.ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 126,146

Seq#:3; N Pos. 58

Seq#:4; N Pos. 439

Seq#:19; Xaa Pos. 370

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/038,895A

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Input Set : E:\3379.1.ST25.txt

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:112
M:341 Repeated in SeqNo=1
L:154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:420
L:1587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:368